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| O | | Attorney Docket No | P7006G13VP1C1D1 |

UTILITY PATENT APPLICATION

| First Inventor Ruben et al. | o a collection of it Attorney Docket | nformation unless it displays a valid OMB control number = No PZ006G13YP1C1D1 |
|----------------------------------|---|---|
| | First Inventor | |
| Title 32 Human Secreted Proteins | Title | 32 Human Secreted Proteins |

| | (Only for new nonprovisional applications under 37 CFR ' 1 53(b)) | Express Mail Label No |
|--------------|--|---|
| | APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application content | ASSISTANT Commissioner for Patents Box Patent Application Washington, DC 20231 |
| 1. 🔯 2. 🗀 | Fee Transmittal Form (e g , PTO/SB/17) (Submit an original, and a duplicate for fee processing) Applicant claims small entity status. See 37 CFR 1.27. | 7 CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. Computer Readable Form (CRF) |
| 3. 🛛 | Specification [Total Pages: 149] (preferred arrangement set forth below) - Descriptive title of the Invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention | b. Specification Sequence Listing on i |
| | Brief Summary of the Invention Brief Description of the Drawings (if filed) Detailed Description Claim(s) Abstract of the Disclosure | 9. |
| 4. ☐ 5. ⊠ | Drawing(s) (35 U.S.C. 113) Total Sheets 1 Oath or Declaration Total Pages 15 1 (3 pages in 5 counterparts) . | 11. ☐ English Translation Document (at applicable) 12. ☒ Information Disclosure Statement/ Form PTO/SB/08 ☒ Copies of Citations |
| | a. Newly executed (original or copy) b. Copy from a prior application (37 CFR 1 63(d)) (for continuation/divisional with Box 17 completed) i. DELETION OF INVENTOR(S) | (should be specifically itemized) 15. Certified Copy of Priority Document(s) (if toreign priority is claimed) |
| 6. 🛛 | Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR ' ' 1 63(d)(2) and 1.3 Application Data Sheet. See 37 CFR 1.76. 17 pag | 33(b) |
| | a CONTINUING APPLICATION, check appropriate by Application Data Sheet under 37 CFR 176 | box, and supply the requisite information below and in a preliminary amendment, |
| For CON | Continuation Divisional Continuation Prior application information Examiner Brusca, J TINUATION OR DIVISIONAL APPS only The entire disclosure of the prior applying continuation or divisional application and is hereby incorporated by reference | on-in-Part (CIP) of prior application No 09/690,454, filed October 18, 2000 Group/Art Unit: 1631 plication, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the composition can only be relied upon when a portion has been madvertently omitted from the submitted |
| 18. C | ORRESPONDENCE ADDRESS | |
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| CITY | STATE | ZIP CODE |
| COU | VTRY TELEPHO | NE FAX |
| NAMI | E(Print/Type) Janet M. Martineau | Registration No (Autorney/Agent) 46,903 |

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FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.

\$1,904.00

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| | Application Number | Unassigned |
| | Filing Date | Herewith |
| | First Named Inventor | Ruben et al. |
| | Examiner Name | Unassigned |
| | Group Art Unit | Unassigned |
| | Attorney Docket Number | PZ006G13YP1C1D1 |

| | METHOD OF PAYMENT | | | | | | | | | | FEE CA | ALCULATION (continued) | |
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| Page | | | | | | | | 3. A | ADDITIO | ONAL | FEES | | |
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| | · · · | | | | 105 | 130 | 205 | 65 | | | | | |
| Applicant claims small entity status 139 130 1 | | | | | | 127 | 50 | 227 | 25 | | | | |
| 14 | | | | | | 139 | 130 | 139 | 130 | | | | |
| | See 37 CFR 1 27 | | | | | 147 | 2,520 | 147 | 2,520 | For filing a request for ex parte reexamination | | | |
| Payment Paym | 2.50 | | | | 112 | 920* | 112 | 920 | | | | | |
| 1. BASIC FILING FIFE | | | | | | | er * | 113 | 1,840* | 113 | 1,840* | Requesting publication of SIR after | |
| Total Claims | | | FEE | CALC | CULATIO | ON | | 115 | 110 | 215 | 55 | Extension for reply within first month | |
| Fee | 1. BAS | IC FILI | NG FEE | | | | | 116 | 400 | 216 | 200 | Extension for reply within second month | |
| Total Claims | Large | Entity | Small | l Entity | | | | 117 | 920 | 217 | 460 | Extension for reply within third month | |
| 101 | | | | | Fee De | scription | Fee Paid | 118 | 1,440 | 218 | 720 | Extension for reply within fourth month | |
| 106 330 206 165 Design filling fee 107 510 207 255 Plant filling fee 120 320 220 160 Plant a brief in support of an appeal 121 280 221 140 Request for oral hearing 122 138 1,510 138 1,510 Plention to institute a public use hearing 140 110 240 55 Petition to revive - unintentional 141 1,280 241 640 Petition to revive - unintentional 142 1,280 242 640 Utility issue fee (or reissue) 144 620 244 310 Plant issue fee 142 1,280 242 430 Plant issue fee 143 55 Submission of Information Disclosure Statement 146 740 246 370 Processing fee under 37 CFR 1 17(q) 146 740 246 370 Processing fee under 37 CFR 1 17(q) 146 740 246 370 Processing fee under 37 CFR 1 17(q) 146 740 246 370 Processing fee under 37 CFR 1 17(q) 146 740 246 370 Processing fee under 37 CFR 1 17(q) 146 740 246 370 Processing fee under 37 CFR 1 17(q) 146 740 246 370 Processing fee under 37 CFR 1 17(q) 146 740 246 370 Processing fee under 37 CFR 1 17(q) 146 740 246 370 Processing fee under 37 CFR 1 17(q) 146 740 246 370 Processing fee under 37 CFR 1 17(q) 146 740 246 370 Processing fee under 37 CFR 1 17(q) 146 740 246 370 Processing fee under 37 CFR 1 17(q) 146 740 246 370 Processing fee under 37 CFR 1 17(q) 146 740 246 370 Processing fee under 37 CFR 1 17(q) 146 740 246 370 Processing fee under 37 CFR 1 17(q) 146 740 246 370 Processing fee under 37 CFR 1 17(q) 146 740 246 370 Processing fee under 37 CFR 1 17(q) 146 740 246 370 Processing fee under 37 CFR 1 17(q) Processing | | | | | Unhty fib | ng fee | \$740 00 | 128 | 1,960 | 228 | 980 | Extension for reply within fifth month | |
| 108 | | | | | - | L | | 119 | 320 | 219 | 160 | Notice of appeal | |
| 114 160 214 80 Provisional filing fee SUBTOTAL (1) \$740.00 | 107 | 510 | 207 | 255 | Plant film | g fee | | 120 | 320 | 220 | 160 | Filing a brief in support of an appeal | |
| SUBTOTAL (1) | 108 | 740 | 208 | 370 | Reissue f | iling fee | | 121 | 280 | 221 | 140 | Request for oral hearing | |
| 3 EXTRA CLAIM FEES | 114 | 160 | 214 | 80 | Provision | al filing fee | | 138 | 1,510 | 138 | 1,510 | Petition to institute a public use hearing | |
| Extra Fee Fe | | | | SUBTO | OTAL (1) | | \$740.00 | 140 | 110 | 240 | 55 | Petition to revive - unavoidable | |
| Total Claims | 3) EXT | RA CLA | IM FEES | | | | | 141 | 1,280 | 241 | 640 | Petition to revive - unintentional | |
| The proper | | | | | | | Fee Paid | 142 | 1,280 | 242 | 640 | Utility issue fee (or reissue) | |
| Second S | Total C | laims | 52 | -20** | | | \$576.00 | 143 | 460 | 243 | 230 | Design issue fee | |
| Substitute Sub | | ndent | 10 | -3** | 7 | \$84.00 | \$588.00 | 144 | 620 | 244 | 310 | Plant issue fee | |
| 123 50 123 50 123 50 123 50 125 126 180 126 12 | | | | 122 | 130 | 122 | 130 | Petitions to the Commissioner | | | | | |
| Small Entity Smal | l ' | - | | | | | | 123 | 50 | 123 | 50 | Processing fee under 37 CFR 1 17(q) | |
| Large Entity Small Entity Small En | l | | | | | | | 126 | 180 | 126 | 180 | | |
| Large Entity Small Entity Smal | | | | | | | | 581 | 40 | 581 | 40 | | |
| 149 140 249 370 (37 CFR § 1 129(b)) | Large Entity Small Entity | | | | 146 | 740 | 246 | 370 | Filing a submission after final rejection | | | | |
| 103 | | | | | | | | 149 | 740 | 249 | 370 | | |
| 102 84 202 42 Independent claims in excess of 3 104 280 204 140 Multiple dependent claims, if not paid 108 84 209 42 Reissue independent claims over original patent 110 18 210 9 Reissue claims in excess of 20 and over original patent SUBTOTAL (2) \$1,164.00 Other fee (specify) | | | | | Claims in e | excess of 20 | | 179 | 740 | 279 | 370 | • | |
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| 110 18 210 9 Reissue claims in excess of 20 and over original patent SUBTOTAL (2) \$1,164.00 Other fee (specify) | 104 | 280 | 204 | 140 | · | | 145 | 100 | 145 | 100 | | | |
| 110 18 210 9 Reissue claims in excess of 20 and over original patent Other fee (specify) SUBTOTAL (2) \$1,164.00 Other fee (specify) | 108 | 84 | 209 | 42 | ** Reissue independent claims over | | 148 | 110 | 248 | 55 | Statutory disclaimer | | |
| SUBTOTAL (2) \$1,164.00 Other fee (specify) Other fee (specify) | 110 | 18 | 210 | 9 | " Reissue | claims in exc | | 561 | 3 | 561 | 3 | Printed copy of patent, regular service | |
| SUBTOTAL (2) \$1,164.00 Other fee (specify) | | | | | and ove | er original pate | ent | *** | | | | | |
| 40.00 | | | | | | | - | - Other | ice (specify | , | | | |
| "or number previously paid, if greater, For Reussues, see above Reduced by Basic Filing Fee Paid SUBTOTAL (3) \$0.00 | | | 9 | SUBTO | TAL (2) | \$: | 1,164.00 | Other | fee (specify | ') | | | |
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Ruben et al.

Atty. Docket No.: PZ006G13YP1C1D1

Application Number: Unassigned

Group Art Unit: Unassigned

Filed: Herewith

Examiner: Unassigned

Title: 32 Human Secreted Proteins

REOUEST UNDER 37 C.F.R. § 1.821(e)

Commissioner for Patents Washington, D.C. 20231

Sir:

The above-identified patent application is a divisional of Application Serial No. 09/690,454, filed October 18, 2000. The sequence listing of the instant application is identical to the sequence content of the computer readable sequence listing previously filed in connection with Application Serial No. 09/690,454.

In accordance with 37 C.F.R. § 1.821(e), please use the computer readable form filed in connection with Application Serial No. 09/690,454 as the computer readable form for the instant application. It is understood that the Patent and Trademark Office will make the necessary change in application number and filing date for the computer readable form that will be used for the instant application. A paper copy of the Sequence Listing is included in the specification of the instant application filed herewith. Applicants hereby certify that the paper copy of the Sequence Listing filed herewith and the computer readable sequence listing last/previously filed in connection with Application Serial No. 09/690,454 are the same and do not include new matter.

Respectfully submitted,

Date: Ichnung 5 2002

Attorney for Applicants

Human Genome Sciences, Inc.

9410 Key West Avenue Rockville, MD 20850

Telephone: (301) 315-2723

JMM/CEW/ba